

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/665,883A
Source: 1FW16
Date Processed by STIC: 1/18/07

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 01/18/2007

PATENT APPLICATION: US/10/665,883A

TIME: 11:08:11

Input Set : F:\46699-20011.00 - Seqlist.substitute.txt
 Output Set: N:\CRF4\01182007\J665883A.raw

4 <110> APPLICANT: YUAN, Chong-Sheng
 6 <120> TITLE OF INVENTION: DETERMINATION OF IONS USING ION-SENSITIVE ENZYMES
 8 <130> FILE REFERENCE: 466992001100
 10 <140> CURRENT APPLICATION NUMBER: US 10/665,883A
 11 <141> CURRENT FILING DATE: 2003-09-19
 13 <160> NUMBER OF SEQ ID NOS: 18
 15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 12
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Chimeric protein
 25 <400> SEQUENCE: 1
 26 Met Gly Gly Ser Gly Asp Asp Asp Asp Leu Ala Leu
 27 1 5 10
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 356
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Chimeric protein
 38 <400> SEQUENCE: 2
 39 Ala Leu Glu Arg Glu Leu Leu Val Ala Thr Gln Ala Val Arg Lys Ala
 40 1 5 10 15
 41 Ser Leu Leu Thr Lys Arg Ile Gln Ser Glu Val Ile Ser His Lys Asp
 42 20 25 30
 43 Ser Thr Thr Ile Thr Lys Asn Asp Asn Ser Pro Val Thr Thr Gly Asp
 44 35 40 45
 45 Tyr Ala Ala Gln Thr Ile Ile Asn Ala Ile Lys Ser Asn Phe Pro
 46 50 55 60
 47 Asp Asp Lys Val Val Gly Glu Glu Ser Ser Ser Gly Leu Ser Asp Ala
 48 65 70 75 80
 49 Phe Val Ser Gly Ile Leu Asn Glu Ile Lys Ala Asn Asp Glu Val Tyr
 50 85 90 95
 51 Asn Lys Asn Tyr Lys Lys Asp Asp Phe Leu Phe Thr Asn Asp Gln Phe
 52 100 105 110
 53 Pro Leu Lys Ser Leu Glu Asp Val Arg Gln Ile Ile Asp Phe Gly Asn
 54 115 120 125
 55 Tyr Glu Gly Gly Arg Lys Gly Arg Phe Trp Cys Leu Asp Pro Ile Asp
 56 130 135 140
 57 Gly Thr Lys Gly Phe Leu Arg Gly Glu Gln Phe Ala Val Cys Leu Ala
 58 145 150 155 160

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59 Leu Ile Val Asp Gly Val Val Gln Leu Gly Cys Ile Gly Cys Pro Asn
60 165 170 175
61 Leu Val Leu Ser Ser Tyr Gly Ala Gln Asp Leu Lys Gly His Glu Ser
62 180 185 190
63 Phe Gly Tyr Ile Phe Arg Ala Val Arg Gly Leu Gly Ala Phe Tyr Ser
64 195 200 205
65 Pro Ser Ser Asp Ala Glu Ser Trp Thr Lys Ile His Val Arg His Leu
66 210 215 220
67 Lys Asp Thr Lys Asp Met Ile Thr Leu Glu Gly Val Glu Lys Gly His
68 225 230 235 240
69 Ser Ser His Asp Glu Gln Thr Ala Ile Lys Asn Lys Leu Asn Ile Ser
70 245 250 255
71 Lys Ser Leu His Leu Asp Ser Gln Ala Lys Tyr Cys Leu Leu Ala Leu
72 260 265 270
73 Gly Leu Ala Asp Val Tyr Leu Arg Leu Pro Ile Lys Leu Ser Tyr Gln
74 275 280 285
75 Glu Lys Ile Trp Asp His Ala Ala Gly Asn Val Ile Val His Glu Ala
76 290 295 300
77 Gly Gly Ile His Thr Asp Ala Met Glu Asp Val Pro Leu Asp Phe Gly
78 305 310 315 320
79 Asn Gly Arg Thr Leu Ala Thr Lys Gly Val Ile Ala Ser Ser Gly Pro
80 325 330 335
81 Arg Glu Leu His Asp Leu Val Val Ser Thr Ser Cys Asp Val Ile Gln
82 340 345 350
83 Ser Arg Asn Ala
84 355
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 17
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Chimeric protein
95 <400> SEQUENCE: 3
96 Lys Gly Glu Leu Glu Gly Leu Pro Ile Pro Asn Pro Leu Leu Arg Thr
97 1 5 10 15
98 Gly
102 <210> SEQ ID NO: 4
103 <211> LENGTH: 392
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Chimeric protein
110 <400> SEQUENCE: 4
111 Met Gly Gly Ser Gly Asp Asp Asp Asp Leu Ala Leu Ala Leu Glu Arg
112 1 5 10 15
113 Glu Leu Leu Val Ala Thr Gln Ala Val Arg Lys Ala Ser Leu Leu Thr
114 20 25 30
115 Lys Arg Ile Gln Ser Glu Val Ile Ser His Lys Asp Ser Thr Thr Ile
116 35 40 45

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117 Thr Lys Asn Asp Asn Ser Pro Val Thr Thr Gly Asp Tyr Ala Ala Gln
118 50 55 60
119 Thr Ile Ile Ile Asn Ala Ile Lys Ser Asn Phe Pro Asp Asp Lys Val
120 65 70 75 80
121 Val Gly Glu Glu Ser Ser Ser Gly Leu Ser Asp Ala Phe Val Ser Gly
122 85 90 95
123 Ile Leu Asn Glu Ile Lys Ala Asn Asp Glu Val Tyr Asn Lys Asn Tyr
124 100 105 110
125 Lys Lys Asp Asp Phe Leu Phe Thr Asn Asp Gln Phe Pro Leu Lys Ser
126 115 120 125
127 Leu Glu Asp Val Arg Gln Ile Ile Asp Phe Gly Asn Tyr Glu Gly Gly
128 130 135 140
129 Arg Lys Gly Arg Phe Trp Cys Leu Asp Pro Ile Asp Gly Thr Lys Gly
130 145 150 155 160
131 Phe Leu Arg Gly Glu Gln Phe Ala Val Cys Leu Ala Leu Ile Val Asp
132 165 170 175
133 Gly Val Val Gln Leu Gly Cys Ile Gly Cys Pro Asn Leu Val Leu Ser
134 180 185 190
135 Ser Tyr Gly Ala Gln Asp Leu Lys Gly His Glu Ser Phe Gly Tyr Ile
136 195 200 205
137 Phe Arg Ala Val Arg Gly Leu Gly Ala Phe Tyr Ser Pro Ser Ser Asp
138 210 215 220
139 Ala Glu Ser Trp Thr Lys Ile His Val Arg His Leu Lys Asp Thr Lys
140 225 230 235 240
141 Asp Met Ile Thr Leu Glu Gly Val Glu Lys Gly His Ser Ser His Asp
142 245 250 255
143 Glu Gln Thr Ala Ile Lys Asn Lys Leu Asn Ile Ser Lys Ser Leu His
144 260 265 270
145 Leu Asp Ser Gln Ala Lys Tyr Cys Leu Leu Ala Leu Gly Leu Ala Asp
146 275 280 285
147 Val Tyr Leu Arg Leu Pro Ile Lys Leu Ser Tyr Gln Glu Lys Ile Trp
148 290 295 300
149 Asp His Ala Ala Gly Asn Val Ile Val His Glu Ala Gly Gly Ile His
150 305 310 315 320
151 Thr Asp Ala Met Glu Asp Val Pro Leu Asp Phe Gly Asn Gly Arg Thr
152 325 330 335
153 Leu Ala Thr Lys Gly Val Ile Ala Ser Ser Gly Pro Arg Glu Leu His
154 340 345 350
155 Asp Leu Val Val Ser Thr Ser Cys Asp Val Ile Gln Ser Arg Asn Ala
156 355 360 365
157 Lys Gly Glu Leu Glu Gly Leu Pro Ile Pro Asn Pro Leu Leu Arg Thr
158 370 375 380
159 Gly His His His His His His
160 385 390
163 <210> SEQ ID NO: 5
164 <211> LENGTH: 1176
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:

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PATENT APPLICATION: US/10/665,883A

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Input Set : F:\46699-20011.00 - Seqlist.substitute.txt
Output Set: N:\CRF4\01182007\J665883A.raw

232 <210> SEQ ID NO: 9
233 <211> LENGTH: 10
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Exemplary epitope tag
240 <400> SEQUENCE: 9
241 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
242 1 5 10
245 <210> SEQ ID NO: 10
246 <211> LENGTH: 6
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Exemplary epitope tag
253 <400> SEQUENCE: 10
254 His His His His His
255 1 5
258 <210> SEQ ID NO: 11
259 <211> LENGTH: 6
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Exemplary epitope tag
266 <400> SEQUENCE: 11
267 Asp Thr Tyr Arg Tyr Ile
268 1 5
271 <210> SEQ ID NO: 12
272 <211> LENGTH: 6
273 <212> TYPE: PRT
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Exemplary epitope tag
279 <400> SEQUENCE: 12
280 Glu Tyr Met Pro Met Glu
281 1 5
284 <210> SEQ ID NO: 13
285 <211> LENGTH: 11
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Exemplary epitope tag
292 <400> SEQUENCE: 13
293 Ala Ser Met Thr Gly Gly Gln Gln Met Gly Arg
294 1 5 10
297 <210> SEQ ID NO: 14
298 <211> LENGTH: 10
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/665,883A

DATE: 01/18/2007

TIME: 11:08:12

Input Set : F:\46699-20011.00 - Seqlist.substitute.txt
Output Set: N:\CRF4\01182007\J665883A.raw